

Application No. 10/382,407

Amendments to the claims:

Claims 1-26 (Cancelled)

Claim 27 (New) A process for enhancing ambience in an audio signal output derived from an audio signal input in a dual channel audio ambience extraction circuit, the process comprising cross coupling of audio signals in one channel with audio signals in another channel, each of the cross-coupled signals being attenuated and delayed by no more than a Haas delay time during the cross coupling before being applied in a feedback path to a summing input of an opposite channel to mix with subsequent audio signal inputs to that channel, all of the attenuated and delayed signals being continuously applied to outputs of the extraction circuit during the cross-coupling process.

Claim 28 (New) The process of claim 27 wherein the audio input signal is monaural and applied to an input terminal of each channel.

Claim 29 (New) The process of claim 27 wherein the audio processor is stereophonic and the audio input signal comprises left and right channel signals applied to respective ones of the dual channels of the audio processor.

Claim 30 (New) The process of claim 27 wherein each channel includes delaying the signal in that channel by an adjustable delay time.

Claim 31 (New) The process of claim 29 and including inverting the audio signals in at least one of the channels.

Claim 32 (New) The process of claim 29 and including summing of the attenuated signals from one channel with attenuated signals from the other channel.

Claim 33 (New) The process of claims 29 wherein left and right channel surround sound inputs signals are provided to the extraction

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circuit and including attenuating and summing the attenuated surround sound input signals with the corresponding one of the dual channels audio signals so as to add surround sound ambience to the extraction circuit outputs.

Claim 34 (New) The process of claim 32 and including summing the respective ones of the left and right channel surround sound input signals with the output signal from an opposite one of the extraction circuit dual channels to produce an ambience enhanced audio signal from each of the dual channels.

Claim 35 (New) The process of claim 27 and including attenuating each signal by an adjustable amount.